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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/561,581 12/19/2005		Manuel Gaudon	355901-1860	6470
38706 FOLEY & LAR	7590 02/12/201 RDNER LLP		EXAMINER	
975 PAGE MIL	L ROAD		EMPIE, NATHAN H	
PALO ALTO, CA 94304			ART UNIT	PAPER NUMBER
			1792	
			MAIL DATE	DELIVERY MODE
			02/12/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/561,581	GAUDON ET AL.	
Examiner	Art Unit	
Examiner NATHAN H. EMPIE	Art Unit 1792	

	NATHAN H. EMPIE	1792					
The MAILING DATE of this communication appe	ars on the cover sheet with the c	orrespondence add	ress				
THE REPLY FILED <u>29 January 2010</u> FAILS TO PLACE THIS A	APPLICATION IN CONDITION FOR	R ALLOWANCE.					
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appel for Continued Examination (RCE) in compliance with 37 Coperiods:	replies: (1) an amendment, affidavit eal (with appeal fee) in compliance	t, or other evidence, www. with 37 CFR 41.31; or	hich places the (3) a Request				
a) The period for reply expires 6 months from the mailing date	of the final rejection.						
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire a Examiner Note: If box 1 is checked, check either box (a) or (MONTHS OF THE FINAL REJECTION. See MPEP 706.07)	dvisory Action, or (2) the date set forth a ter than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE f).	date of the final rejection FIRST REPLY WAS FII	on. LED WITHIN TWO				
xtensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee ave been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee nder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as et forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, hay reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
NOTICE OF APPEAL 2. ☑ The Notice of Appeal was filed on 29 January 2010. A brithe date of filing the Notice of Appeal (37 CFR 41.37(a)), appeal. Since a Notice of Appeal has been filed, any reply AMENDMENTS	or any extension thereof (37 CFR 4	1.37(e)), to avoid disr	nissal of the				
3. The proposed amendment(s) filed after a final rejection, b	out prior to the date of filing a brief.	will not be entered be	cause				
(a) They raise new issues that would require further col (b) They raise the issue of new matter (see NOTE belo (c) They are not deemed to place the application in bet	nsideration and/or search (see NOTw);	E below);					
appeal; and/or (d) ☐ They present additional claims without canceling a							
NOTE: (See 37 CFR 1.116 and 41.33(a)).	sorrosponding number of infanty roje	otou olaliilo.					
4. The amendments are not in compliance with 37 CFR 1.12		mpliant Amendment (I	PTOL-324).				
5. Applicant's reply has overcome the following rejection(s):							
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	·	•	-				
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is proving the status of the claim(s) is (or will be) as follows: Claim(s) allowed:		be entered and an ex	xplanation of				
Claim(s) allowed Claim(s) objected to: Claim(s) rejected: <u>1-28</u> .							
Claim(s) withdrawn from consideration:							
<u>AFFIDAVIT OR OTHER EVIDENCE</u> 8.	t before or on the data of filing a No	tion of Annual will not	ha antarad				
because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).	d sufficient reasons why the affidavi	t or other evidence is	necessary and				
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appea	l and/or appellant fails	s to provide a				
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after er	ntry is below or attach	ed.				
11. X The request for reconsideration has been considered bu See Continuation Sheet.	t does NOT place the application in	condition for allowan	ce because:				
12. Note the attached Information <i>Disclosure Statement</i> (s). ((PTO/SB/08) Paper No(s)						
/Michael Cleveland/ Supervisory Patent Examiner, Art Unit 1792	/N. H. E./ Examiner, Art Unit 1792						

Continuation of 11. does NOT place the application in condition for allowance because: Applicant's amendment of claim 23 filed 1/29/10 has been fully considered and is persuasive with respect to the 35 USC 112 1st paragraph rejection of claim 23. The 35 USC 112 2nd paragraph rejection of claim 23 has been withdrawn.

Applicant's arguments with respect to the 35 USC 103 (a) rejections over the cited prior art filed 1/29/10 have been fully considered but they are not persuasive.

1.: Applicant argues that "the prior art does not teach a polymer solution" (pg 8-9) and "Bitterlich et al. does not teach the use of a polymer solution in preparing a metal oxide layer on a substrate" (pg 11 of remarks). In response the examiner directs the applicant's attention to applicant's own specification (see, for example, pg 13 line 30 - pg 15 line 8) it would appear that a sol is considered as a "solution". The examiner asserts that a sol is well known in the art as a liquid colloidal dispersion. Further by applicant's omission "the term 'sol', when used in the context of organic chemistry can refer to a solution." (pg 10 of remarks). According to Bitterlich: "The emulsion binders, which are colloidal dispersions of a polymer in water..." (pg 675 1st paragraph). As the applicant's own invention encompasses polymeric sols as solutions, and as the Applicant has agreed that sol can refer to a solution, the prior art should be privy to just such a scope, and as such presents sufficient teaching to a medium that would be considered a solution by applicant's standards. The examiner asserts that the binders of Bitterlich are organic thus would fall within the context of organic chemistry so they would too satisfy the limitation to a solution.

Additionally, the examiner had previously cited prior art references Graham et al (US 2005/010697): "The term 'solution', as defined herein is understood to include liquids systems, gaseous sytems, gels, suspensions, colloids, slurries, emulsions, and the like, and mixtures of any two or more or the forgoing" ([0038]); and Scholtz et al. (US patent 5,723,174) "The term 'solution' as used herein includes dispersion or suspensions of finely divided inorganic metal oxide particles in a liquid medium" (col 5 lines 14 - 16); to further support that the art has recognized emulsions, and colloidal dispersions as solutions; and therefore the cited prior art has sufficiently taught polymer solutions.

2: The Applicant argues that the prior art does not teach that the sequence of adding the dispersant and the polymer is critical. The examiner agrees with the applicant that the role of wet milling is to break down agglomerates, however, as explicitly taught by Mukherjee "The role of the dispersant is to keep these primary particles separated from each other thereby preventing their agglomeration due to van der Waals attraction energy" (pg 733). Without the dispersant added prior to binder and polymer additions the examiner asserts that re-agglomeration would occur and maintains that in the presence of the polymer and binders (and without dispersant) competitive adsorption would occur. Therefore the sequence of adding the dispersant and polymer is critical, as taught by the prior art. As to the dependent claims, they remain rejected as no separate arguments are provided.

The examiner maintains the 35 USC 103 (a) rejections of 7/31/09.